

**Amendments to the Claims:**

This listing of claims will replace all prior versions, and listings, of claims in the application:

**Listing of Claims:**

1. (currently amended): A method of cleaning a media surface comprising:  
  
    subjecting the surface to a detector for sensing the surface for an  
irregularity in the smoothness of the surface;  
  
    directing, on detecting an irregularity beyond a predetermined amount, a  
~~burnishing~~ laser output to that irregularity; and  
  
    energizing the laser to thereby impart an energy source to reduce the  
irregularity to a degree less than a predetermined amount.
2. (previously presented): A method as claimed in claim 1 wherein the laser output is  
from a pulse laser.
3. (previously presented): A method as claimed in claim 1 wherein a burnishing process  
is effected to thereby reduce, preferably remove, the irregularities and minimize residue  
on the disc surface.
4. (previously presented): A method as claimed in claim 1 including varying the power  
of the laser output for effecting reduction of the irregularity.

5. (previously presented): A method as claimed in claim 1 including measuring the irregularity and determining the time and power necessary to effect burnishing for reduction of the irregularity.
6. (previously presented): A method as claimed in claim 5 including feeding back measurements of the irregularity as an output to thereby regulate the laser power so that the irregularity is reduced to a predetermined amount.
7. (previously presented): A method as claimed in claim 1 wherein the media surface is a disc surface.
8. (currently amended): An apparatus for cleaning a media surface comprising:
- a detector for sensing the surface for an irregularity in the smoothness of the surface;
  - a ~~burnishing~~ laser for direction to that irregularity on detecting an irregularity beyond a predetermined amount; and
  - means for energizing the laser to thereby impart an energy source to reduce the irregularity to a degree less than a predetermined amount.
9. (previously presented): Apparatus as claimed in claim 8 wherein the laser is from a pulse laser.

10. (previously presented): Apparatus as claimed in claim 8 including means for varying the power of the laser for effecting reduction of the irregularity.

11. (previously presented): Apparatus as claimed in claim 8 including means for measuring the irregularity and means for determining the time and power necessary to effect burnishing for reduction of the irregularity.

12. (previously presented): Apparatus as claimed in claim 11 including means for feeding back measurements of the irregularity as an output to thereby regulate the laser power, so that the irregularity is reduced to a predetermined amount.

13. (currently amended): An apparatus for cleaning a media surface comprising:

a detector for sensing the nature of the surface for an irregularity in the smoothness of the surface, wherein the detector includes a laser focusing apparatus;

a ~~burnishing~~ laser for direction to that irregularity on detecting an irregularity beyond a predetermined amount; and

means for energizing the laser to thereby impart an energy source to reduce the irregularity to a degree less than a predetermined amount.

14. (previously presented): An apparatus as claimed in claim 13, wherein the laser

focusing apparatus comprises an optical fiber, a mirror and a lens, wherein the optical fiber, the mirror and the lens are aligned such that the energy source is focused to the media surface.

15. (previously presented): A glide head coupled to an actuator arm of a glide/burnish media tester for detecting asperities and defects in a media surface and for removing the asperities and defects from the media surface, the glide head comprising:

a body having a leading end;

an optical *fiber*, wherein the optical fiber extends from an energy source adjacent the actuator arm to the leading end of the body, the optical fiber being configured to conduct an energy from the energy source;

a mirror disposed on the leading end of the body, wherein the mirror is configured to reflect the energy from the energy source onto the surface of the media; and

a lens disposed adjacent the mirror, wherein the lens is aligned with the mirror and the optical fiber such that the energy from the energy source is focused through the lens onto the media surface.

16. (previously presented): A method of removing irregularities from a media surface comprising:

detecting an irregularity on the surface of the media with a detector;

directing, upon detecting an irregularity beyond a first predetermined amount, a laser to that irregularity, wherein the laser is in electronic communication with the detector; and

energizing the laser upon the detector detecting an irregularity beyond the first predetermined amount to thereby impart a laser output at that irregularity to reduce the irregularity to a degree less than a second predetermined amount.

17. (previously presented): A method as claimed in claim 16 wherein the laser output is from a pulsed laser.

18. (previously presented): A method as claimed in claim 16 wherein a burnishing process is effected to thereby reduce, preferably remove, the irregularities and minimize residue on the disc surface.

19. (previously presented): A method as claimed in claim 16 further including varying the power of the laser output for effecting reduction of the irregularity.

20. (previously presented): A method as claimed in claim 16 further including measuring the irregularity and determining the time and power necessary to effect burnishing for reduction of the irregularity.

21. (previously presented): A method as claimed in claim 20 further including feeding back measurements of the irregularity as an output to thereby regulate the laser power so that the irregularity is effectively reduced to a predetermined amount.

22. (previously presented): A method as claimed in claim 16 wherein the media surface is a disc surface.

23. (currently amended): An apparatus for cleaning a media surface comprising:

a detector for detecting asperities on the media surface;

a ~~burnishing~~ laser, in electronic communication with the detector, for direction to one or more irregularities detected on the media surface when the irregularities detected are beyond a first predetermined amount; and

means for energizing the laser upon the detector detecting an irregularity beyond the first predetermined amount to thereby impart a laser output at that irregularity directed to each irregularity that is beyond a first predetermined amount to reduce each irregularity to a degree less than a second predetermined amount.

24. (previously presented): Apparatus as claimed in claim 23 wherein the laser output is from a pulsed laser.

25. (previously presented): Apparatus as claimed in claim 23 including means for varying the power of the laser output for effecting reduction of the irregularity.

26. (previously presented): Apparatus as claimed in claim 23 including means for measuring the irregularity and means for determining the time and power necessary to effect burnishing for reduction of the irregularity.

27. (previously presented): Apparatus as claimed in claim 26 including means for feeding back measurements of the irregularity as an output to thereby regulate the laser power so that the irregularity is reduced to a predetermined amount.

28. (currently amended): An apparatus for cleaning a media surface comprising:

a detector for detecting one or more irregularities on the media surface, wherein the detector includes a laser focusing apparatus;

a ~~burnishing~~ laser for direction to one or more detected irregularities that are beyond a first predetermined amount, wherein the ~~burnishing~~ laser is in electronic communication with the detector; and

means for energizing the laser upon the detector detecting an irregularity beyond the first predetermined amount to thereby impart a laser output at that irregularity to reduce the one or more irregularities beyond a first predetermined amount to a degree less than a second predetermined amount.

29. (previously presented): An apparatus as claimed in claim 28, wherein the laser focusing apparatus comprises an optical fiber, a mirror and a lens, wherein the optical fiber, the mirror and the lens are aligned such that the energy source is focused to the media surface.

**Amendments to the Drawings:**

The attached sheets of drawings include changes to FIG. 2. Replacement Sheet 1 contains FIG. 1, which is identical to the Replacement Sheet submitted in the previous response to Office Action, and is accompanied by an annotated sheet showing the difference between this new sheet and the originally submitted FIG. 1. This Replacement Sheet 1 is intended to only supply a cleaner FIG. 1 for the Examiner and is not intended to be different than the originally filed FIG. 1. Replacement Sheet 2 contains FIG. 2, which is different than the Replacement Sheet submitted in the previous response to Office Action, and is accompanied by an annotated sheet showing the difference between this new sheet and the originally submitted FIG. 2. This Replacement Sheet 2 is intended to supply a cleaner FIG. 2 for the Examiner and is not intended to be different than the originally filed FIG. 2 but is intended to correct the error in the last response to Office Action, which showed element 28 up side down.

Attachment: 2 Replacement Sheets

2 Annotated Sheets Showing Changes